Fine's Problem Loc -> Ball so risell-+ 2 Luc But says Fine Bell -> J.D. 50 J.D. A LOC - BOR .. n Boll -> (n Loc) v (n J.) Objection (svotlickny, Rodherd, Brown and Bussenfield (1988)) Fine's Therem Days: Boll -> 3P(J(P)) ( Wald 1937) 3R (J(R)) But SBBB exhibited a self model of for which NJ(x), although Bell 15 satisfied

Fine's mistake was to argue from  $25(y) \rightarrow 28000$  to  $25(y) \rightarrow 28000$  10. to compate y with x.

Stapp's Problem PLCD: Principle of Local Counterfactual Definiteness the result of an experiment which could be performed on on a micro system las d definite value which does not depend on the setting of d remote piece of apparatus 1) 95 this true if you don't assume determinism? 2) Can you prove determinism in the Boel experiment?

Cartwaght's Broklem Can one more from Bob 4 (a/2) to Prob (a/2,24) and regard of as a partial cause of a Does this prope cousal action m to Bell experiment?

Locality enables us to write [T,] \$ +4 = [5x1] \$ x [5y2] \$ x [6y3] \$ To obtain a contradiction and hence a proof of nonlocality choose of to 20 a simultanoous eigen state of T, Tz nd T3 This enables us to write [Ti] # [Ti] = [Ti] # XYY